AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions of claims in the application.

- 1. (Currently amended): A semiconductor device comprising:
- a first insulating film formed over a substrate;
- a first interconnection buried in at least a surface side of the first insulating film, the first interconnection having a <u>first</u> pattern which is bent at right angle <u>and a second pattern</u>;
- a second insulating film formed on the first insulating film with the first interconnection buried in, and including a groove-shaped via-hole formed in a region above the first pattern of the first interconnection and a hole-shaped via-hole formed in a region above the second pattern, of the first interconnection, the groove-shaped via hole via-hole having a pattern which is formed along an extending direction of the first interconnection and is bent at a right angle, a width of the groove-shaped via-hole being 20-140% of a width of the hole-shaped via-hole;
 - a first buried conductor filled in the groove-shaped via-hole; and
- a second buried conductor buried in [a] the hole-shaped via-hole formed in the second insulating film on the first interconnection, a width of the groove-shaped via-hole being 20-140% of a width of the hole-shaped via-hole.
 - 2. (Withdrawn): A semiconductor device according to claim 1, wherein
- a width at a bent portion of the pattern of the groove-shaped via-hole is not more than a width at a straight portion thereof.

- 3. (Withdrawn): A semiconductor device according to claim 1, wherein the groove-shaped via-hole is bent at a bent portion of the pattern a plurality of times at a larger angle than 90°.
 - 4. (Withdrawn): A semiconductor device according to claim 3, wherein the groove-shaped via-hole is bent at the bent portion of the pattern twice each at 135°.
- 5. (Withdrawn): A semiconductor device according to claim 3, wherein a pattern of the first interconnection is bent in the same way as the pattern of the groove-shaped via-hole.
- 6. (Withdrawn): A semiconductor device according to claim 4, wherein a pattern of the first interconnection is bent in the same way as the pattern of the groove-shaped via-hole.
 - 7. (Withdrawn): A semiconductor device comprising:
 - a first insulating film formed over a substrate;
- a first interconnection buried in at least a surface side of the first insulating film, the first interconnection having a pattern which is bent at a right angle;

a second insulating film formed on the first insulating film with the first interconnection buried in, and including a groove-shaped via-hole formed in a region above the first interconnection; and

a first buried conductor filled in the groove-shaped via-hole,

the groove-shaped via-hole being interrupted at a corner of the pattern of the first interconnection.

8. (Cancelled)

9. (Withdrawn): A semiconductor device according to claim 7, further comprising: a second buried conductor buried in a hole-shaped via-hole formed in the second insulating film on the first interconnection.

10. (Cancelled)

- 11. (Withdrawn): A semiconductor device according to claim 9, wherein a width of the groove-shaped via-hole is 20 140% of a width of the hole-shaped via-hole.
 - 12. (Currently amended): A semiconductor device comprising: a first insulating film formed over a substrate;

Attorney Docket No. 030877

a first interconnection buried in at least a surface side of the first insulating film, the first

interconnection having a first pattern which is bent at right angle and a second pattern;

a second insulating film formed on the first insulating film with the first interconnection

buried in, and including a groove-shaped via-hole formed in a region above the first pattern of

the first interconnection and a hole-shaped via-hole formed in a region above the second pattern

of the first interconnection, the groove-shaped via hole via-hole having a pattern which is formed

along an extending direction of the first interconnection and is bent at a right angle, a width of

the groove-shaped via-hole being not more than a width of the hole-shaped via-hole;

a first buried conductor filled in the groove-shaped via-hole; and

a second buried conductor buried in [a] the hole-shaped via-hole formed-in-the-second

insulating film on the first interconnection, a width of the groove-shaped via-hole being not more

than a width of the hole-shaped-via-hole.

13. (Withdrawn): A semiconductor device according to claim 9, wherein

a width of the groove-shaped via-hole is not more than a width of the hole-shaped via-

hole.

14. (Withdrawn): A semiconductor device according to claim 1, including a plurality of

groove-shaped via-holes arrange adjacent to each other formed in the second insulating film,

at least a part of the grooves being formed of the groove-shaped via-hole.

Page 5

- 15. (Withdrawn): A semiconductor device according to claim 7, including a plurality of groove-shaped via-holes arrange adjacent to each other formed in the second insulating film, at least a part of the grooves being formed of the groove-shaped via-hole.
 - 16. (Withdrawn): A semiconductor device according to claim 14, wherein the groove-shaped via-hole is formed at the outermost of the groove-shaped via pattern.
 - 17. (Withdrawn): A semiconductor device according to claim 15, wherein the groove-shaped via-hole is formed at the outermost of the groove-shaped via pattern.
- 18. (Withdrawn): A semiconductor device according to claim 14, wherein the groove-shaped via pattern is formed on one and the same pattern of the first interconnection.
- 19. (Withdrawn): A semiconductor device according to claim 15, wherein the groove-shaped via pattern is formed on one and the same pattern of the first interconnection.
 - 20. (Cancelled)
 - 21. (Withdrawn): A semiconductor device according to claim 7, wherein

the groove-shaped via-hole is formed along an extending direction of the first interconnection.

22. (Currently amended): A semiconductor device comprising:

a conducting layer buried in a surface side of a substrate, the conducting layer having a first pattern which is bent at a right angle and a second pattern;

an insulating film formed on the substrate with the conducting layer buried in, and including a groove-shaped via-hole formed in a region above the first pattern of the conducting layer and a hole-shaped via-hole formed in a region above the second pattern of the conducting layer, the via-hole having a pattern which is formed along an extending direction of the conducting layer and is bent at a right angle, a width of the groove-shaped via-hole being 20-140% of a width of the hole-shaped via-hole; [and]

a <u>first</u> buried conductor filled in the groove-shaped via-hole; <u>and</u> a <u>second buried conductor buried in the hole-shaped via-hole</u>.

- 23. (Withdrawn): A semiconductor device according to claim 7, wherein the first interconnection buried in the first insulating film is a conducting layer buried in the substrate.
 - 24. (Original): A semiconductor device according to claim 1, wherein the first interconnection is formed of a conductor which is mainly formed of copper.

- 25. (Withdrawn): A semiconductor device according to claim 7, wherein the first interconnection is formed of a conductor which is mainly formed of copper.
- 26. (Original): A semiconductor device according to claim 1, further comprising:
 a second interconnection formed on the second insulating film and formed of a conductor which is mainly formed of aluminum.
- 27. (Withdrawn): A semiconductor device according to claim 7, further comprising: a second interconnection formed on the second insulating film and formed of a conductor which is mainly formed of aluminum.
 - 28. (Original): A semiconductor device according to claim 26, wherein the first interconnection and the second interconnection have the same pattern.
 - 29. (Withdrawn): A semiconductor device according to claim 27, wherein the first interconnection and the second interconnection have the same pattern.
 - 30. (Withdrawn): A semiconductor device comprising:
 - a first and a second impurity diffused regions formed in a semiconductor substrate;
- a first insulating film formed on the semiconductor substrate, and including a grooveshaped via-hole having a pattern bent at a right angle formed in a region above the first impurity

diffused region and a hole-shaped via-hole formed in a region above the second impurity diffused region;

- a first buried conductor buried in the groove-shaped via-hole; and
- a second buried conductor buried in the hole-shaped via-hole,
- a width of the groove-shaped via-hole being 20-140% of a width of the hole-shaped via-hole.
- 31. (Original): A semiconductor device according to claim 1, wherein the first buried conductor and the second buried conductor are formed of a conductor mainly formed of tungsten.
- 32. (Withdrawn): A semiconductor device according to claim 7, wherein the first buried conductor and the second buried conductor are formed of a conductor mainly formed of tungsten.
- 33. (Withdrawn): A semiconductor device according to claim 30, wherein the first buried conductor and the second buried conductor are formed of a conductor mainly formed of tungsten.
 - 34. (Currently amended): A semiconductor device according to claim 1, wherein

the second insulating film is a layer film of includes a silicon nitride film and a silicon oxide film formed over the silicon nitride film.

35. (Withdrawn): A semiconductor device according to claim 7, wherein the second insulating film is a layer film of a silicon nitride film and a silicon oxide film or a layer film of an SiC film and a silicon oxide film.

36. (Withdrawn): A semiconductor device according to claim 30, wherein the second insulating film is a layer film of a silicon nitride film and a silicon oxide film or a layer film of an SiC film and a silicon oxide film.

37. (Currently amended): A semiconductor device according to claim 1, wherein the first insulating film is a layer film of includes a silicon nitride film and a silicon oxide film formed over the silicon nitride film.

38. (Withdrawn): A semiconductor device according to claim 7, wherein the first insulating film is a layer film of a silicon nitride film and a silicon oxide film or a layer film of an SiC film and an SiOC film.

39. (Withdrawn): A semiconductor device according to claim 30, wherein the first insulating film is a layer film of a silicon nitride film and a silicon oxide film or a layer film of an SiC film and an SiOC film.

40. (Withdrawn): A method for fabricating a semiconductor device including a first insulating film formed over a substrate, a first interconnection buried in at least a surface side of the first insulating film, and a second insulating film formed on the first insulating film with the first interconnection buried in and including a groove-shaped via-hole and a hole-shaped via-hole which are opened on the first interconnection,

in forming the groove-shaped via-hole and the hole-shaped via-hole in the second insulating film, a mask pattern having a design width of the groove-shaped via-hole smaller than a design width of the hole-shaped via-ole being used to form the groove-shaped via-hole and the hole-shaped via-hole.

41. (Withdrawn): A method for fabricating a semiconductor device including a first insulating film formed over a substrate, a first interconnection buried in at least the surface side of the first insulating film, a second insulating film formed on the first insulating film with the first interconnection buried in and including a groove-shaped via-hole and a hole-shaped via-hole which are opened on the first interconnection, and a buried conductor buried in the groove-shaped via-hole and the hole-shaped via-hole,

in forming the buried conductor, a deposited film thickness of a conducting film to be the buried conductor being set in consideration of a maximum width of the groove-shaped via-hole, so that the groove-shaped via-hole and the hole-shaped via-hole are filled by the buried conductor.

- 42. (Currently amended) A semiconductor device according to claim 1, wherein the second insulating film is a layer film of includes an SiC film and a silicon oxide film formed over the SiC film.
- 43. (Currently amended) A semiconductor device according to claim 1, wherein the first insulating film is a layer film of includes an SiC film and an SiOC film formed over the SiC film.
- 44. (Previously presented) A semiconductor device according to claim 1, wherein the first buried conductor completely fills the groove-shaped via-hole without any voids.
 - 45. (Currently amended): A semiconductor device comprising:

a conducting layer buried in a surface side of a substrate, the conducting layer having a first pattern which is bent at a right angle and a second pattern;

an insulating film formed on the substrate with the conducting layer buried in, and including a groove-shaped via-hole formed in a region above the first pattern of the conducting

layer and a hole-shaped via-hole formed in a region above the second pattern of the conducting

<u>later</u>, the <u>groove-shaped</u> via-hole having a pattern which is formed along an extending direction

of the conducting layer and is bent at a right angle, a width of the groove-shaped via-hole being

not more than a width of the hole-shaped via-hole;

a first buried conductor filled in the groove-shaped via-hole; and

a second buried conductor buried in [a] the hole-shaped via-hole formed in the insulating

film, a width of the groove-shaped via-hole being not more than a width of the hole-shaped via-

hole.

46. (Previously presented): A semiconductor device according to claim 12, wherein

the first interconnection is formed of a conductor which is mainly formed of copper.

47. (Previously presented): A semiconductor device according to claim 12, further

comprising:

a second interconnection formed on the second insulating film and formed of a conductor

which is mainly formed of aluminum.

48. (Previously presented): A semiconductor device according to claim 47, wherein

the first interconnection and the second interconnection have the same pattern.

Page 13

- 49. (Previously presented): A semiconductor device according to claim 12, wherein the first buried conductor and the second buried conductor are formed of a conductor mainly formed of tungsten.
- 50. (Previously presented): A semiconductor device according to claim 22, wherein the first buried conductor and the second buried conductor are formed of a conductor mainly formed of tungsten.
- 51. (Previously presented): A semiconductor device according to claim 45, wherein the first buried conductor and the second buried conductor are formed of a conductor mainly formed of tungsten.
 - 52. (New) A semiconductor device according to claim 1, wherein the first insulating film includes an SiC film and an SiOC film formed over the SiC film.